

CLAIMS

1. An electric pole for a low-voltage power circuit breaker, comprising:

-- a fixed contact and a movable contact (10) which can be mutually coupled/uncoupled;

5 -- at least two conducting elements (11), suitable to electrically connect said movable contact (10) to a power supply grid, said conducting elements (11) being arranged so that the electric currents flowing through them are equally orientated; and

10 -- means (12) for mechanically supporting and actuating said movable contact (10);

characterized in that it comprises at least one insulating element (13) which is interposed between said conducting elements (11) and contrasts, by friction with said conducting elements (11), electrodynamic repulsion forces that are generated between said fixed contact and said movable contact (10) during opening in short-circuit operating conditions.

2. The electric pole according to claim 1, characterized in that said means (12) for mechanically supporting and actuating said movable contact (10) comprise a contact-supporting operating shaft (12) made of insulating material.

20 3. The electric pole according to claims 1 and 2, characterized in that said insulating element (13) is operatively connected to said operating shaft (12).

4. The electric pole according to claim 3, characterized in that said insulating element (13) and said operating shaft (12) are realized monolithically.

25 5. The electric pole according to one or more of the preceding claims characterized in that said insulating element (13) comprises a body made of plastic material which, seen laterally, presents two walls having a curved profile and being suitable to operatively interact with said conducting elements (11).

6. The electric pole according to one or more of the preceding claims, characterized in that said conducting elements (11) are constituted by a pair of flexible metallic braids (11) which are parallel-connected to each other.
7. The electric pole according to claim 6, characterized in that said flexible
5 metallic braids (11) comprise, at each end, means for connection respectively to said movable contact (10) and to said power supply grid.
8. A low-voltage power circuit breaker, characterized in that it comprises at least one electric pole according to one or more of the preceding claims.